

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080917\
 Data File : BF097532.D
 Acq On : 9 Aug 2017 22:56
 Operator : SJ/JU
 Sample : I4658-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-L9-BASE-WEST

Manual Integrations
 APPROVED

Sohil
 8/10/2017 6:07:46 PM

Quant Time: Aug 10 13:52:57 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 07 16:02:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.40	152	106304	20.00	ng	-0.01
21) Naphthalene-d8	7.68	136	449833	20.00	ng	-0.02
38) Acenaphthene-d10	9.42	164	206343	20.00	ng	-0.02
63) Phenanthrene-d10	10.90	188	318057	20.00	ng	-0.02
75) Chrysene-d12	13.53	240	166892	20.00	ng	-0.01
86) Perylene-d12	14.87	264	169054	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.98	112	461827	65.49	ng	-0.02
7) Phenol-d6	6.07	99	599396	74.46	ng	-0.02
23) Nitrobenzene-d5	6.97	82	312046	40.69	ng	-0.02
41) 2,4,6-Tribromophenol	10.22	330	111376	68.32	ng	-0.02
44) 2-Fluorobiphenyl	8.76	172	544944	44.82	ng	-0.02
78) Terphenyl-d14	12.48	244	300336	36.69	ng	-0.02
Target Compounds						
11) bis(2-Chloroethyl)ether	6.15	93	38758	5.132	ng	Qvalue 87
49) Dimethylphthalate	9.16	163	205283	13.101	ng	99
70) Phenanthrene	10.92	178	89247	5.237	ng	98
74) Fluoranthene	12.10	202	87601	5.247	ng	98
77) Pyrene	12.33	202	91199	6.675	ng	96
80) Benzo(a)anthracene	13.52	228	31352	2.903	ng	98
82) Chrysene	13.55	228	29589	2.806	ng	93
85) Indeno(1,2,3-cd)pyrene	16.07	276	28090	3.107	ng	98
87) Benzo(b)fluoranthene	14.53	252	37256m	3.666	ng	
89) Benzo(a)pyrene	14.82	252	31661	3.404	ng	# 61
91) Benzo(a,h,i)perylene	16.42	276	27452	3.432	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

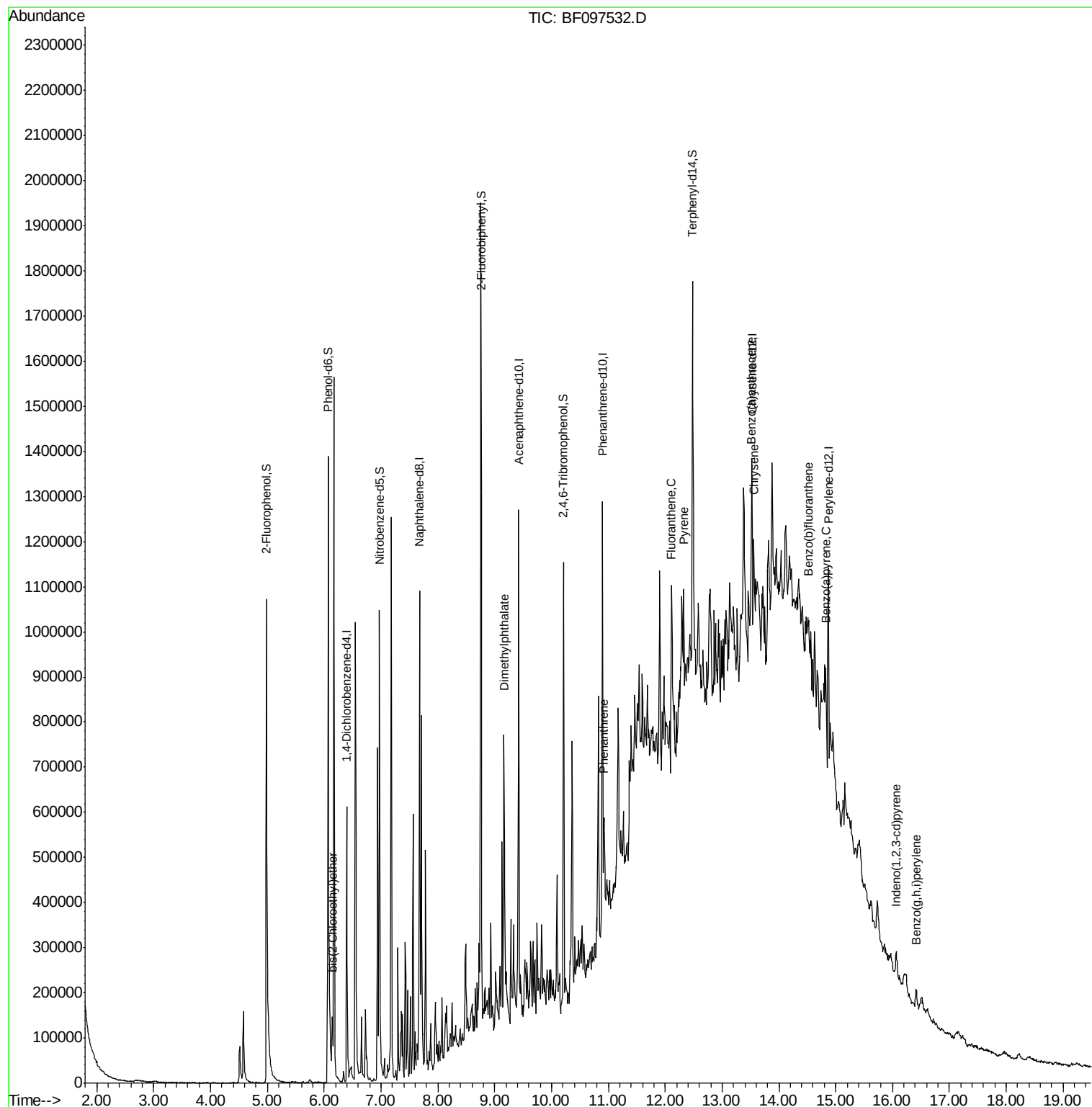
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080917\
Data File : BF097532.D
Acq On : 9 Aug 2017 22:56
Operator : SJ/JU
Sample : I4658-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

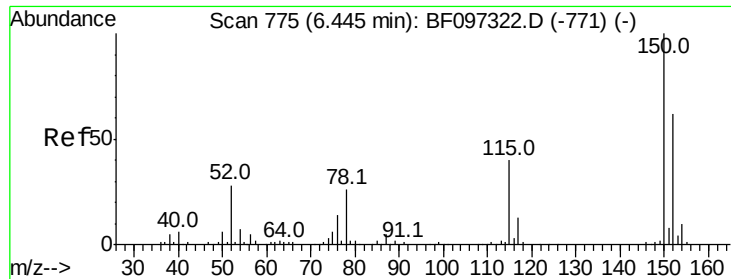
Instrument :
BNA_F
ClientSampleId :
E2-L9-BASE-WEST

Manual Integrations
APPROVED

Sohil
8/10/2017 6:07:46 PM

Quant Time: Aug 10 13:52:57 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 07 16:02:51 2017
Response via : Initial Calibration





#1

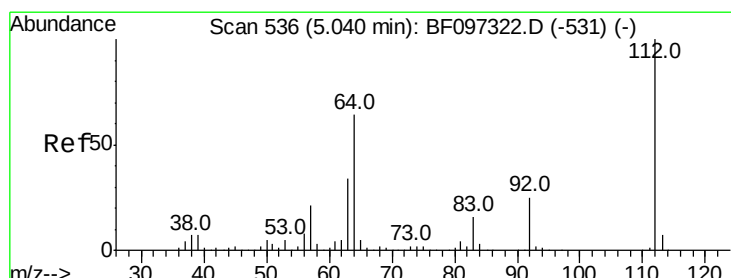
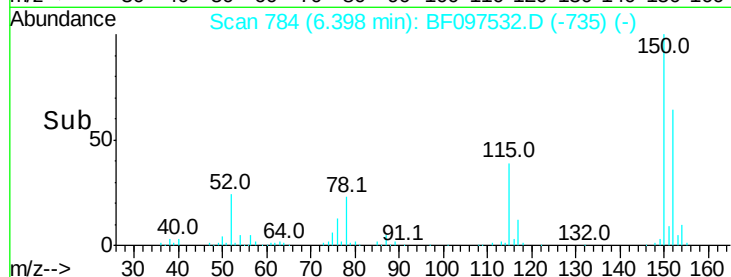
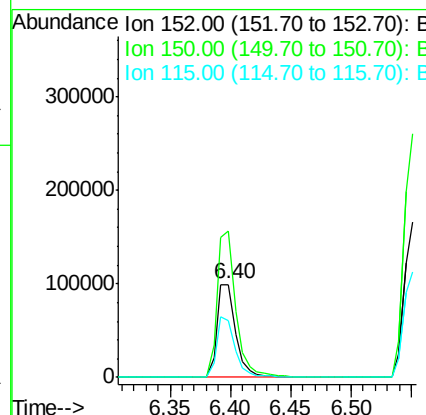
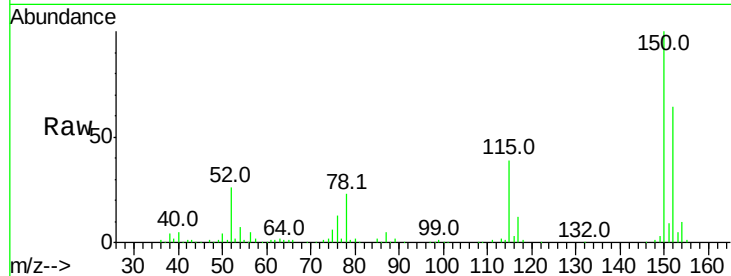
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.40 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF097532.D
Acq: 9 Aug 2017 22:56

Instrument :
BNA_F
ClientSampleId :
E2-L9-BASE-WEST

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	126.2	189.2
115	61.5	52.2	78.2

Manual Integrations
APPROVED

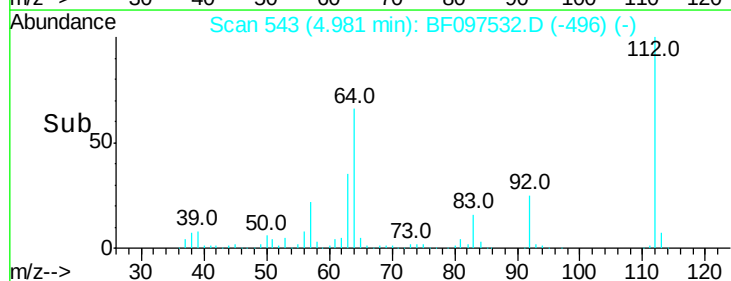
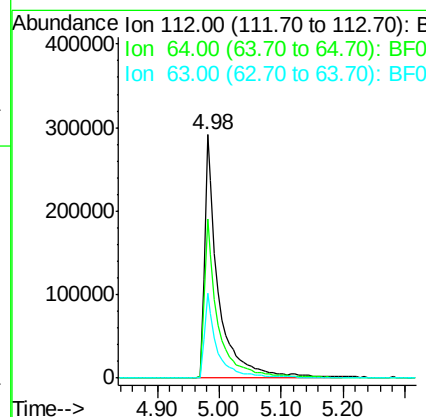
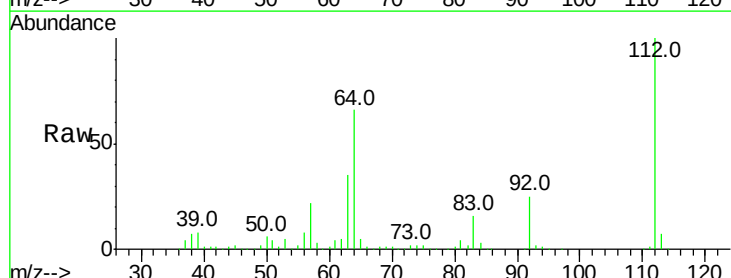
Sohil
8/10/2017 6:07:46 PM

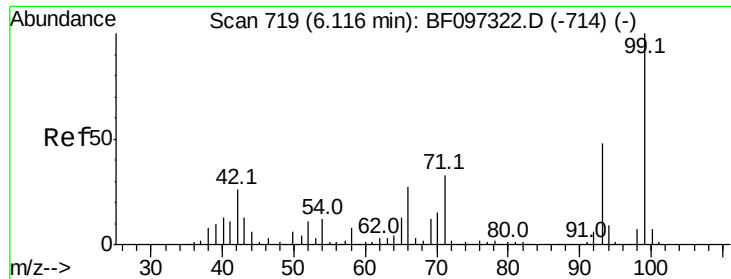


#5

2-Fluorophenol
Concen: 65.491 ng
RT: 4.98 min Scan# 543
Delta R.T. -0.02 min
Lab File: BF097532.D
Acq: 9 Aug 2017 22:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.5	46.0	69.0
63	34.7	23.4	35.0





#7

Phenol-d6

Concen: 74.456 ng

RT: 6.07 min Scan# 728

Delta R.T. -0.02 min

Lab File: BF097532.D

Acq: 9 Aug 2017 22:56

Instrument :

BNA_F

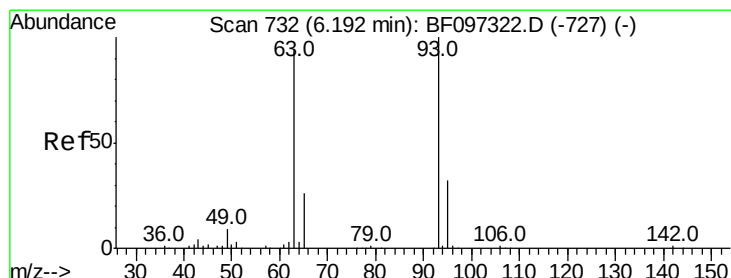
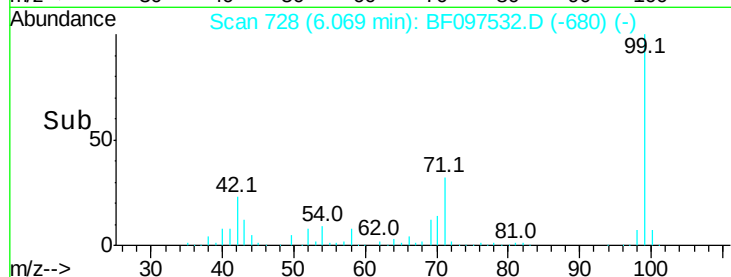
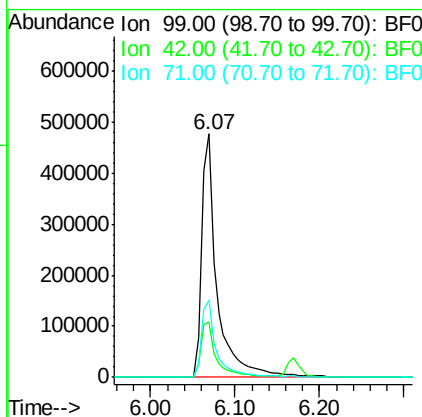
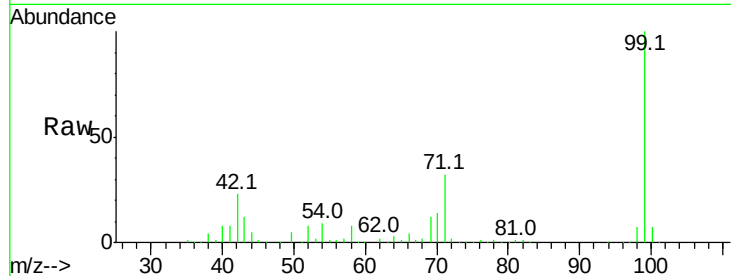
ClientSampled :

E2-L9-BASE-WEST

Tot Ion:	99	Resp:	599396
Ion Ratio	Lower	Upper	
99	100		
42	22.5	13.5	20.3#
71	31.7	24.5	36.7

Manual Integrations
APPROVED

Sohil
8/10/2017 6:07:46 PM



#11

bis(2-Chloroethyl)ether

Concen: 5.132 ng

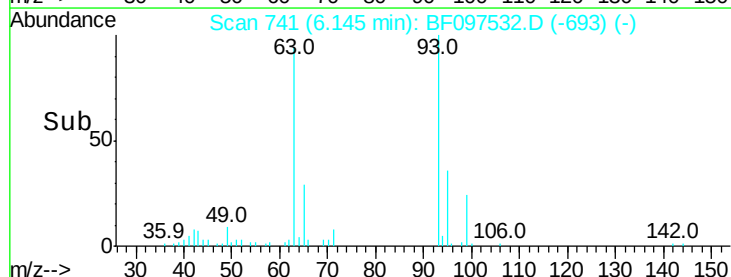
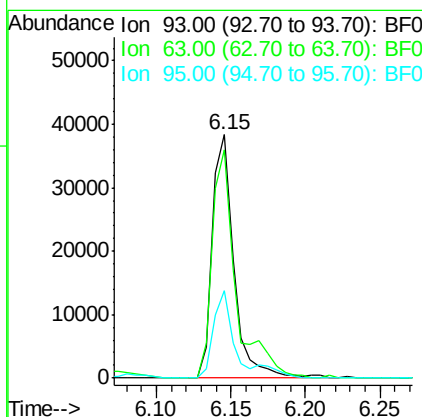
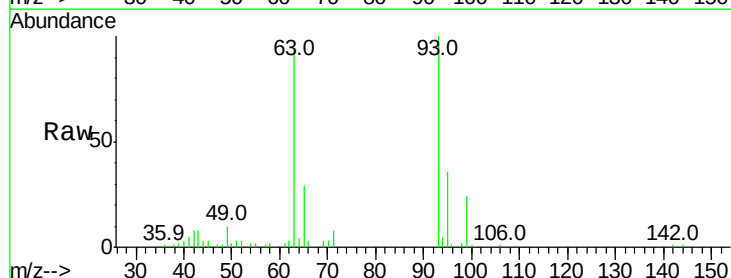
RT: 6.15 min Scan# 741

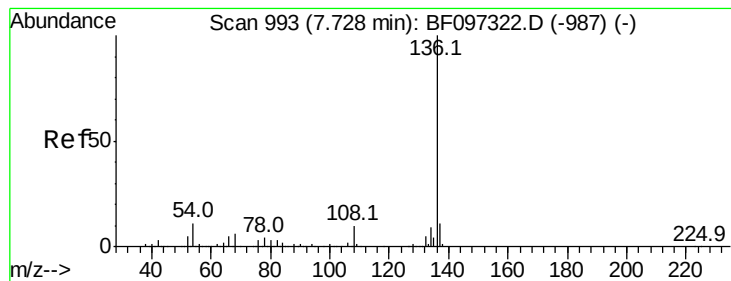
Delta R.T. -0.02 min

Lab File: BF097532.D

Acq: 9 Aug 2017 22:56

Tgt Ion:	93	Resp:	38758
Ion Ratio	Lower	Upper	
93	100		
63	93.8	59.2	99.2
95	36.1	12.8	52.8





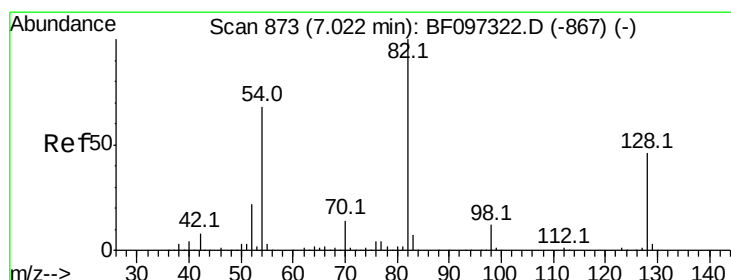
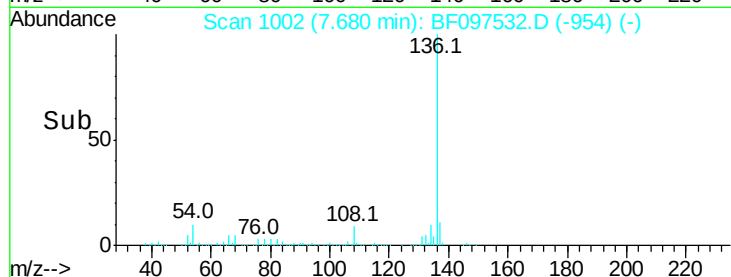
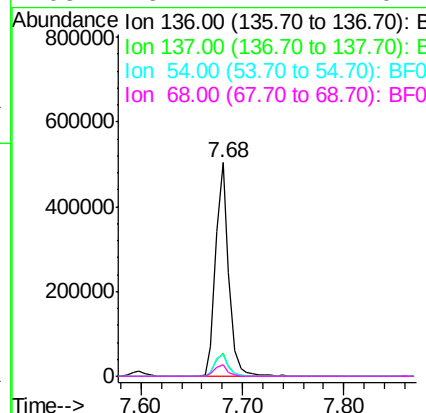
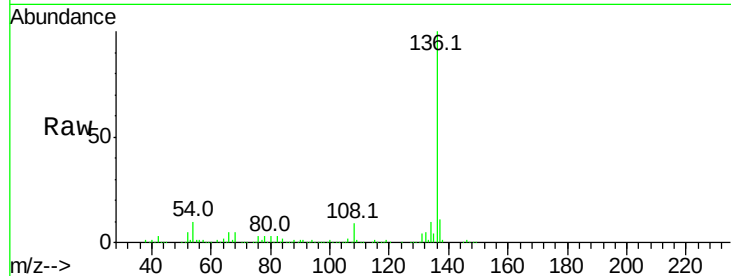
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.68 min Scan# 1002
Delta R.T. -0.02 min
Lab File: BF097532.D
Acq: 9 Aug 2017 22:56

Instrument :
BNA_F
ClientSampleId :
E2-L9-BASE-WEST

Tot Ion	Ratio	Resp	Lower	Upper
136	100	449833		
137	11.0	8.5	12.7	
54	10.0	4.9	7.3	
68	5.2	4.1	6.1	

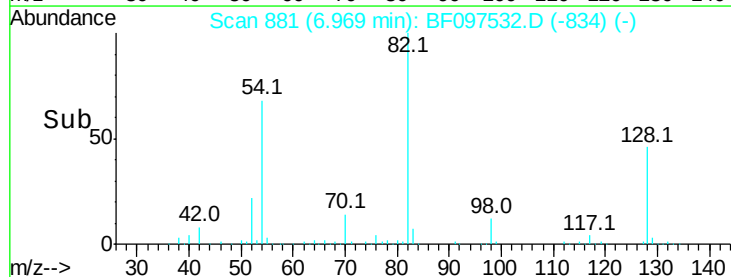
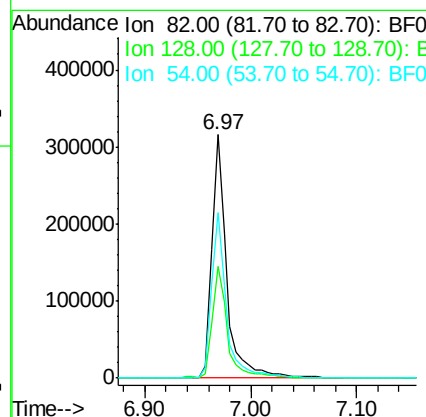
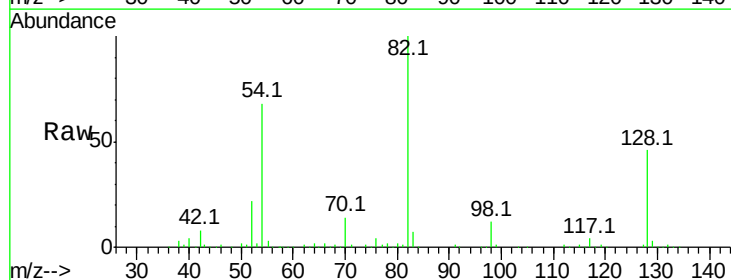
Manual Integrations
APPROVED

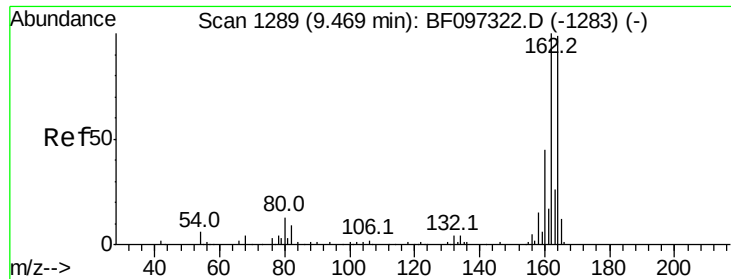
Sohil
8/10/2017 6:07:46 PM



#23
Nitrobenzene-d5
Concen: 40.695 ng
RT: 6.97 min Scan# 881
Delta R.T. -0.02 min
Lab File: BF097532.D
Acq: 9 Aug 2017 22:56

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	312046		
128	45.9	34.0	51.0	
54	68.2	42.2	63.2	





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.42 min Scan# 1298

Delta R.T. -0.02 min

Lab File: BF097532.D

Acq: 9 Aug 2017 22:56

Instrument :

BNA_F

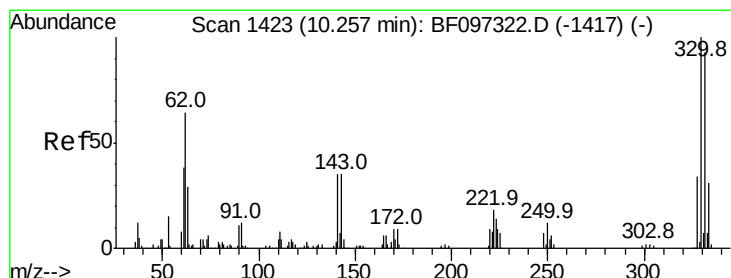
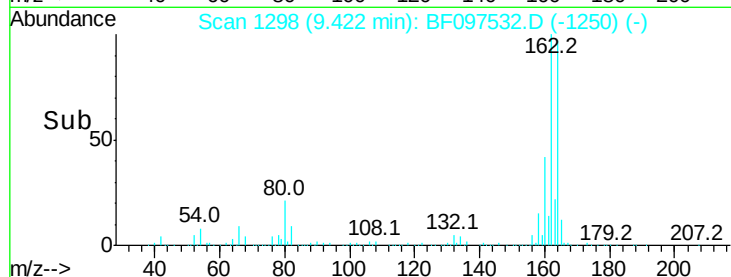
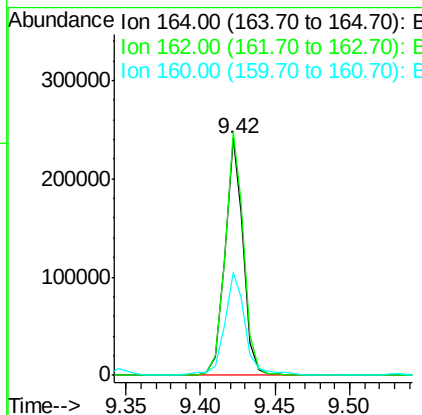
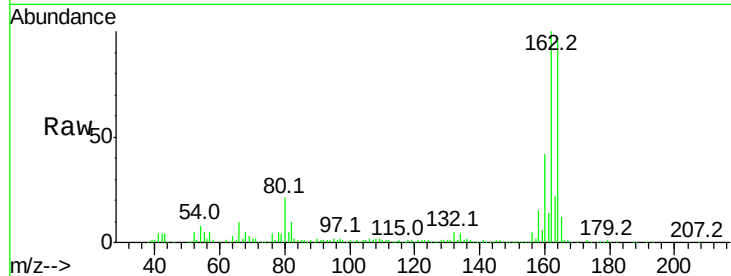
ClientSampleId :

E2-L9-BASE-WEST

Tot Ion:	164	Resp:	206343
Ion Ratio	Lower	Upper	
164	100		
162	102.7	82.6	123.8
160	43.6	36.2	54.2

Manual Integrations
APPROVED

Sohil
8/10/2017 6:07:46 PM



#41

2,4,6-Tribromophenol

Concen: 68.316 ng

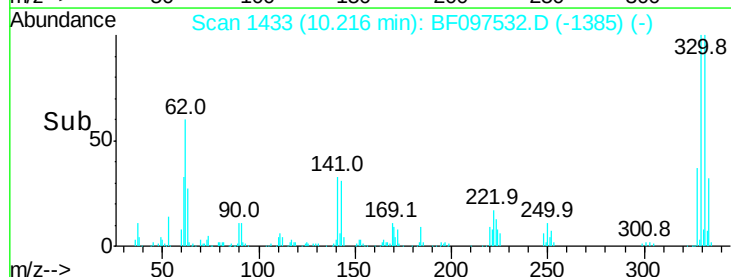
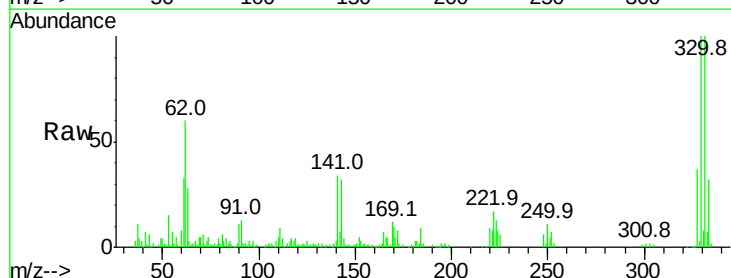
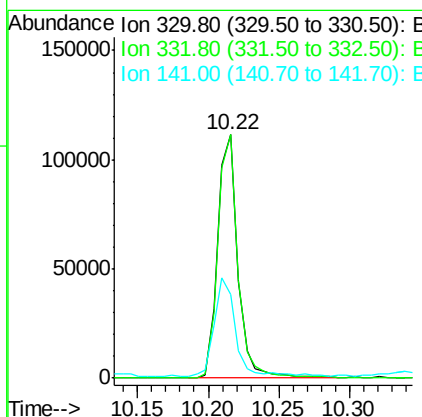
RT: 10.22 min Scan# 1433

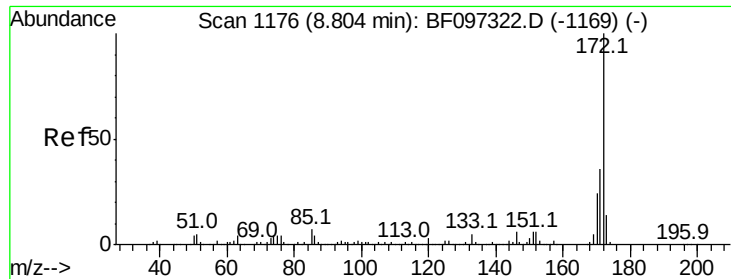
Delta R.T. -0.02 min

Lab File: BF097532.D

Acq: 9 Aug 2017 22:56

Tgt Ion:	330	Resp:	111376
Ion Ratio	Lower	Upper	
330	100		
332	99.7	76.6	115.0
141	43.2	31.4	47.2





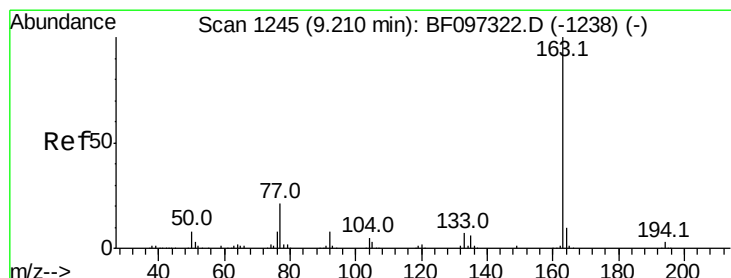
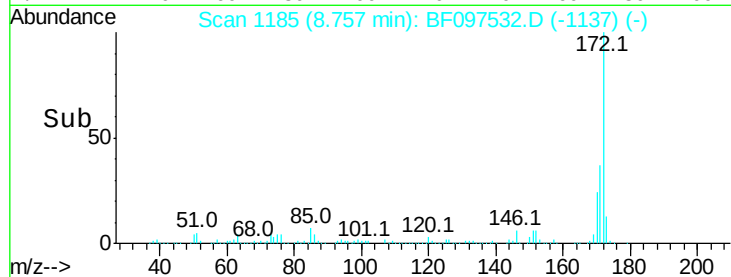
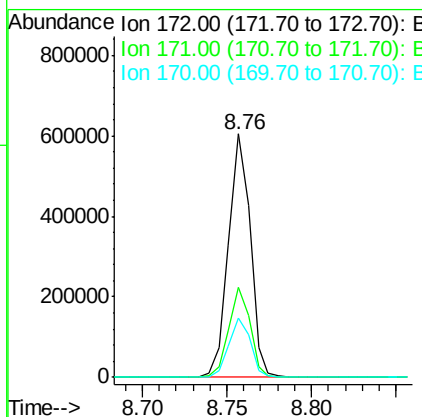
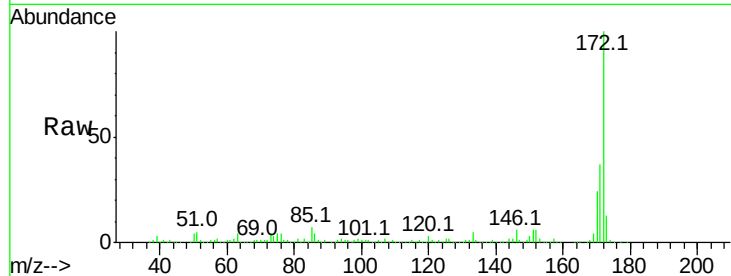
#44
2-Fluorobiphenyl
Concen: 44.820 ng
RT: 8.76 min Scan# 1185
Delta R.T. -0.02 min
Lab File: BF097532.D
Acq: 9 Aug 2017 22:56

Instrument :
BNA_F
ClientSampleId :
E2-L9-BASE-WEST

Tot Ion:	172	Resp:	544944
Ion Ratio	Lower	Upper	
172	100		
171	36.9	29.6	44.4
170	24.3	19.8	29.8

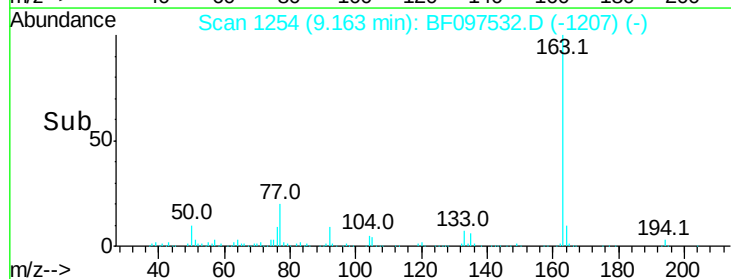
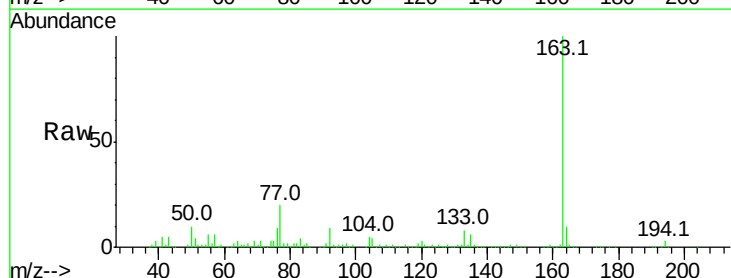
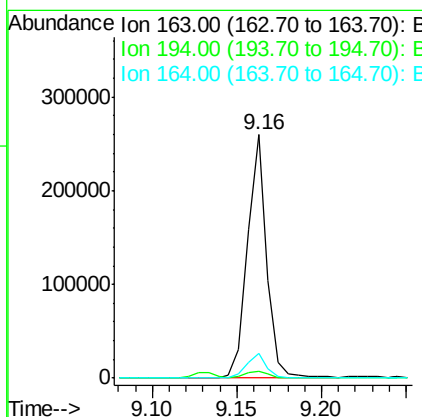
Manual Integrations
APPROVED

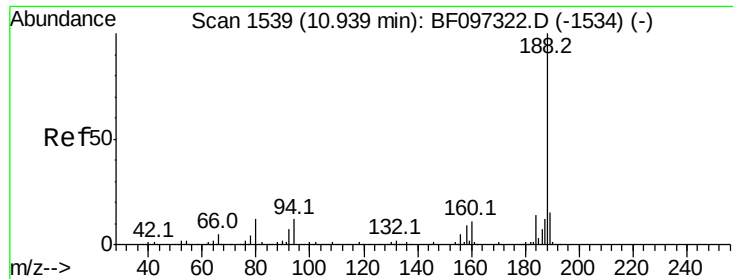
Sohil
8/10/2017 6:07:46 PM



#49
Dimethylphthalate
Concen: 13.101 ng
RT: 9.16 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF097532.D
Acq: 9 Aug 2017 22:56

Tgt Ion:	163	Resp:	205283
Ion Ratio	Lower	Upper	
163	100		
194	3.0	2.6	4.0
164	10.0	8.4	12.6





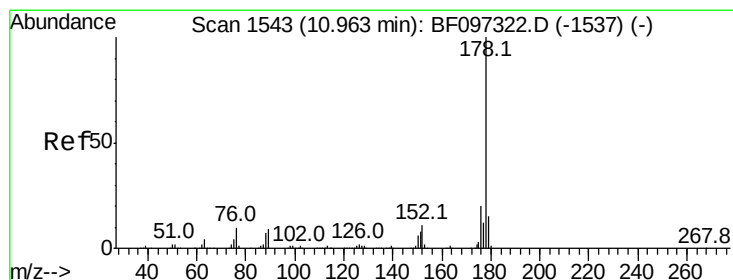
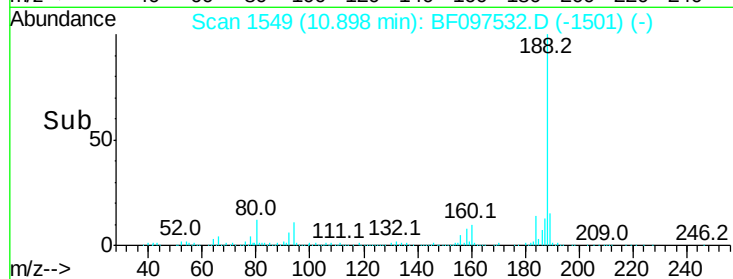
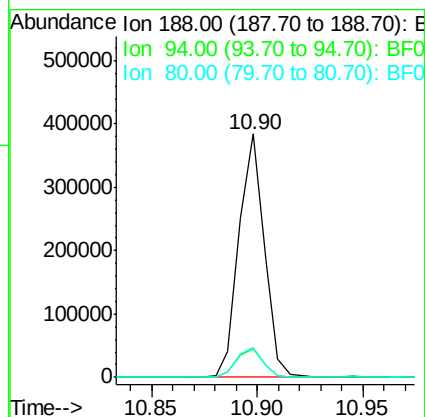
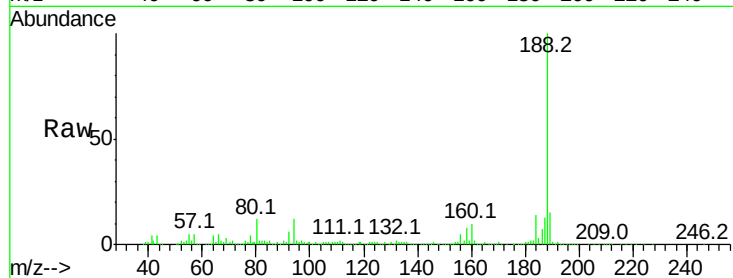
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.90 min Scan# 1549
Delta R.T. -0.02 min
Lab File: BF097532.D
Acq: 9 Aug 2017 22:56

Instrument :
BNA_F
ClientSampleId :
E2-L9-BASE-WEST

Tot Ion:	188	Resp:	318057
Ion Ratio	Lower	Upper	
188	100		
94	11.6	9.4	14.2
80	12.3	10.2	15.2

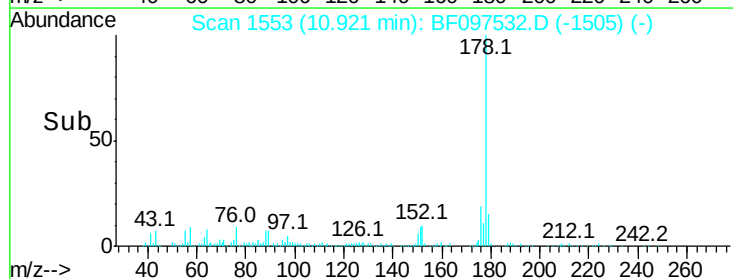
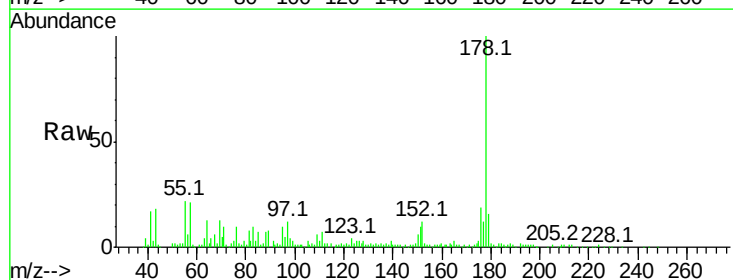
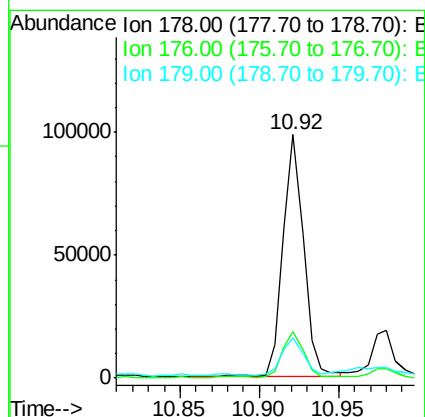
Manual Integrations
APPROVED

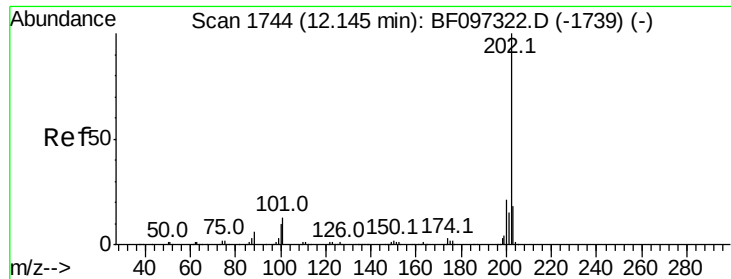
Sohil
8/10/2017 6:07:46 PM



#70
Phenanthrene
Concen: 5.237 ng
RT: 10.92 min Scan# 1553
Delta R.T. -0.02 min
Lab File: BF097532.D
Acq: 9 Aug 2017 22:56

Tgt Ion:	178	Resp:	89247
Ion Ratio	Lower	Upper	
178	100		
176	19.0	16.2	24.4
179	16.4	12.6	19.0





#74

Fluoranthene

Concen: 5.247 ng

RT: 12.10 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF097532.D

Acq: 9 Aug 2017 22:56

Instrument :

BNA_F

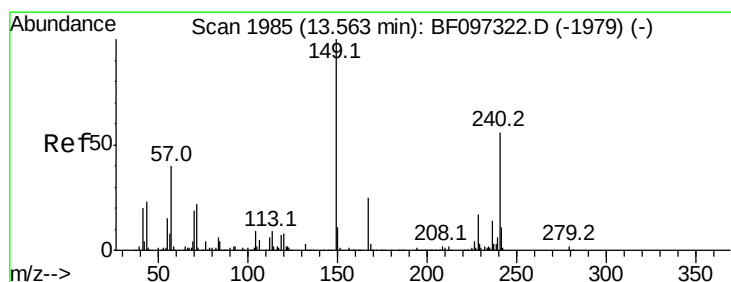
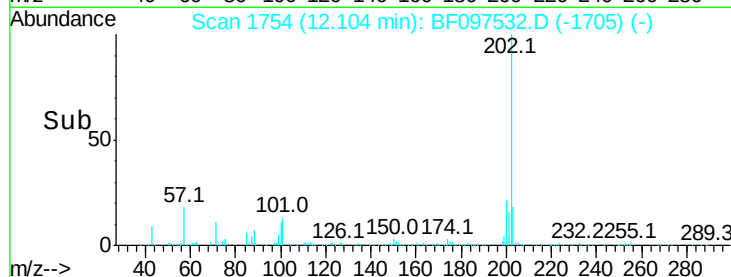
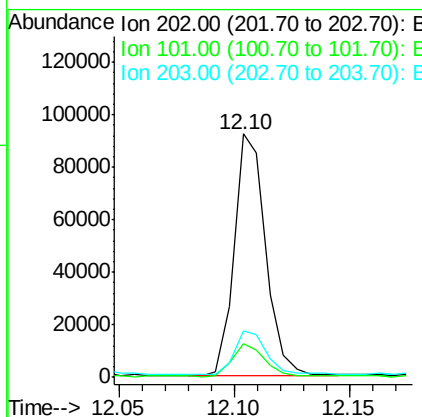
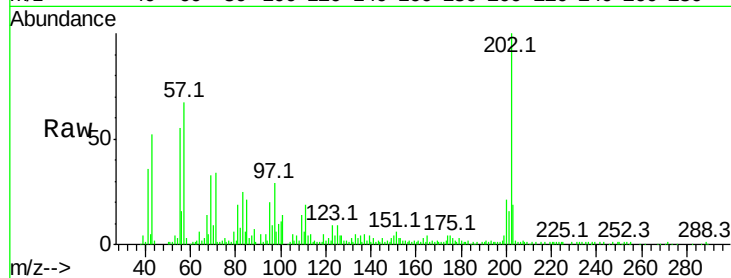
ClientSampleId :

E2-L9-BASE-WEST

Tot Ion:	202	Resp:	87601
Ion Ratio	Lower	Upper	
202	100		
101	13.7	0.0	33.2
203	19.0	0.0	38.1

Manual Integrations
APPROVED

Sohil
8/10/2017 6:07:46 PM



#75

Chrysene-d12

Concen: 20.000 ng

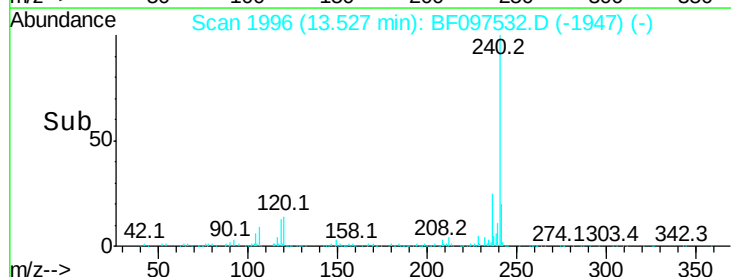
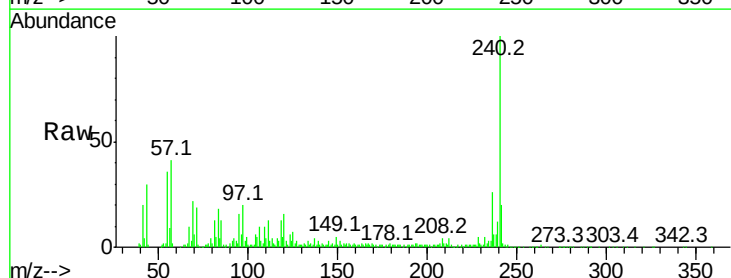
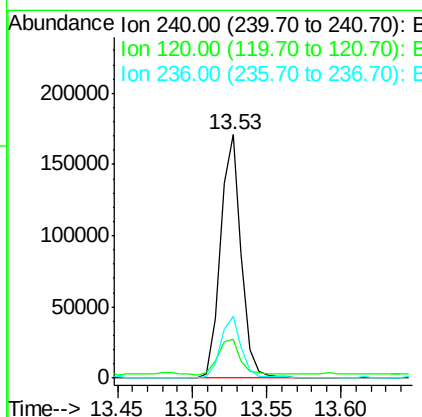
RT: 13.53 min Scan# 1996

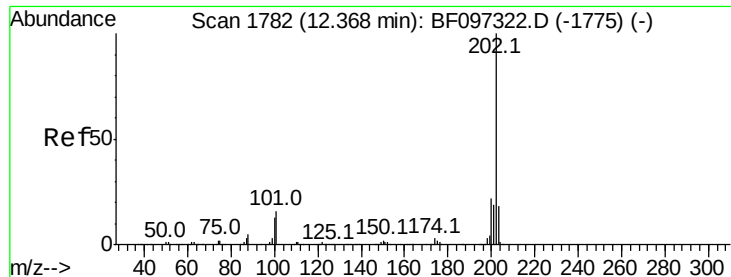
Delta R.T. -0.01 min

Lab File: BF097532.D

Acq: 9 Aug 2017 22:56

Tgt Ion:	240	Resp:	166892
Ion Ratio	Lower	Upper	
240	100		
120	15.8	5.8	8.8#
236	25.6	20.5	30.7





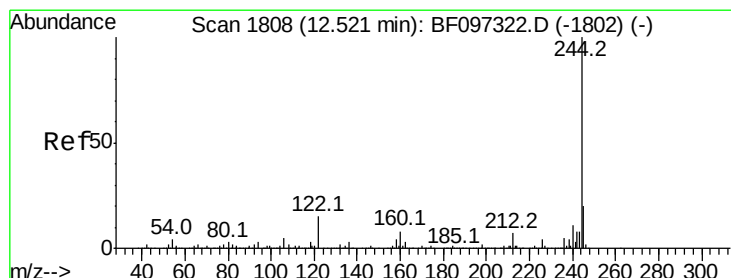
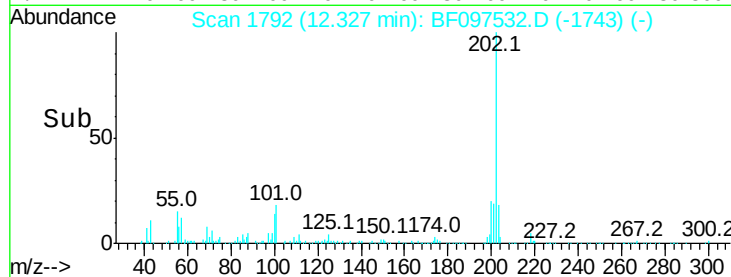
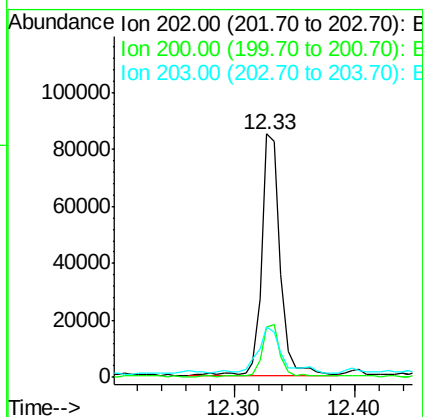
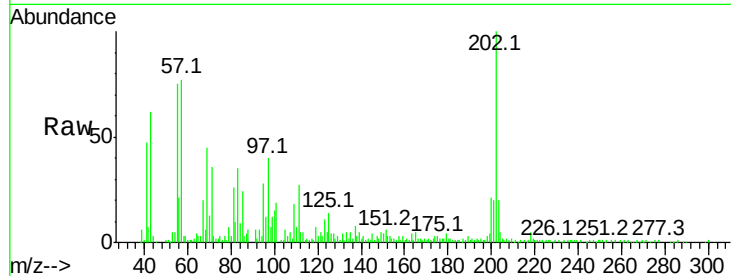
#77
Pvrene
Concen: 6.675 ng
RT: 12.33 min Scan# 1792
Delta R.T. -0.01 min
Lab File: BF097532.D
Acq: 9 Aug 2017 22:56

Instrument :
BNA_F
ClientSampleId :
E2-L9-BASE-WEST

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.6	17.6	26.4
203	20.5	14.4	21.6

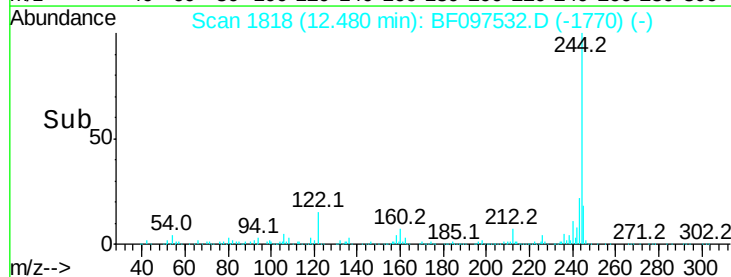
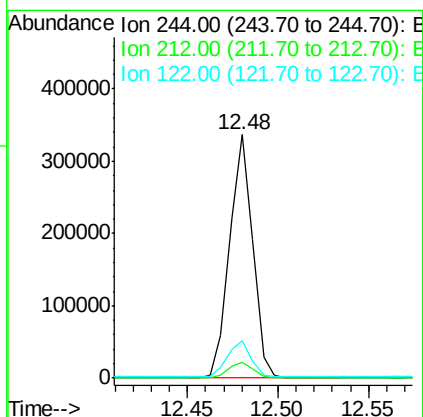
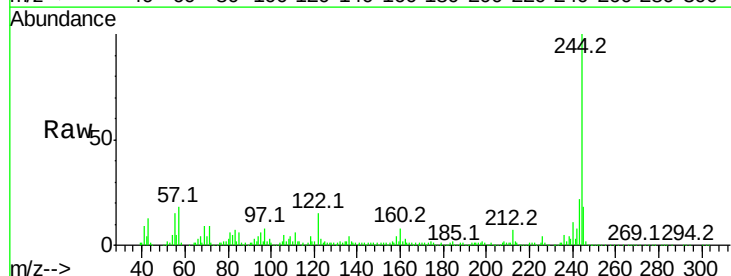
Manual Integrations
APPROVED

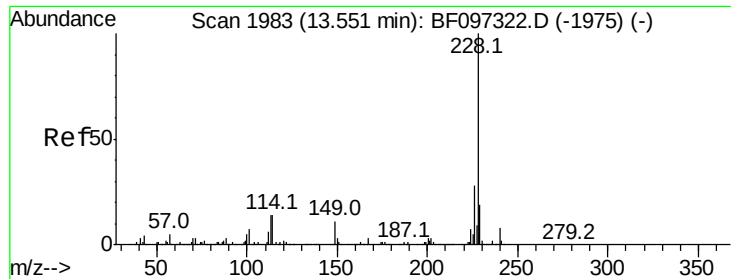
Sohil
8/10/2017 6:07:46 PM



#78
Terphenyl-d14
Concen: 36.691 ng
RT: 12.48 min Scan# 1818
Delta R.T. -0.02 min
Lab File: BF097532.D
Acq: 9 Aug 2017 22:56

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.7	6.0	9.0
122	15.4	10.3	15.5





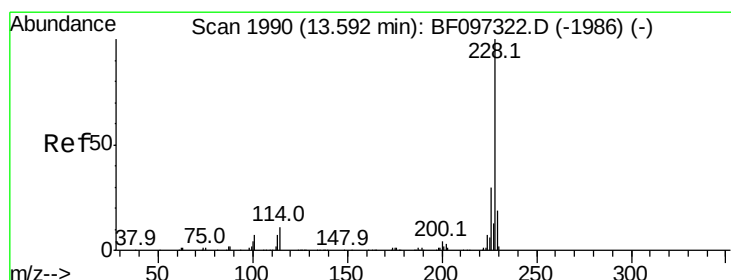
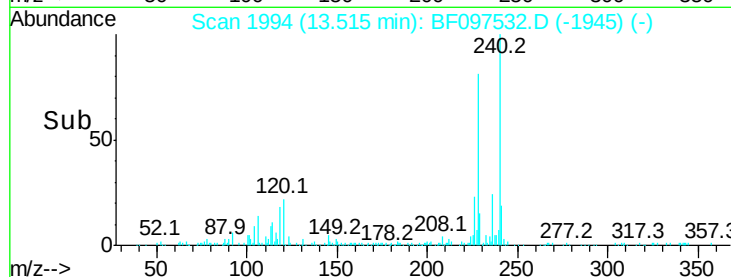
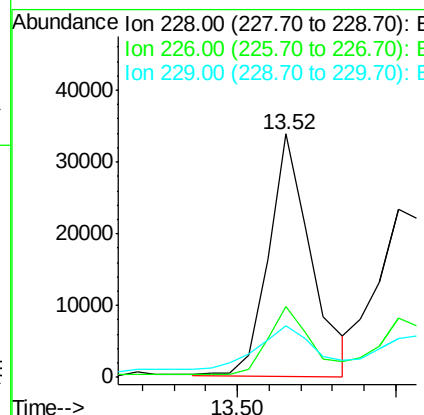
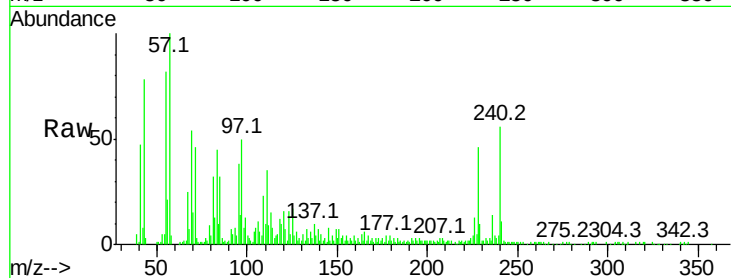
#80
Benzo(a)anthracene
Concen: 2.903 ng
RT: 13.52 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BF097532.D
Acq: 9 Aug 2017 22:56

Instrument :
BNA_F
ClientSampleId :
E2-L9-BASE-WEST

Tot Ion:	228	Resp:	31352
Ion Ratio	Lower	Upper	
228	100		
226	29.2	22.6	33.8
229	21.4	16.3	24.5

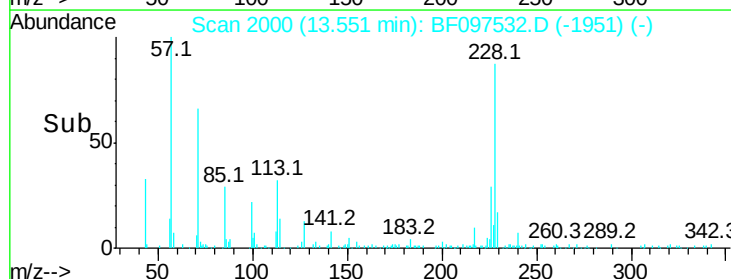
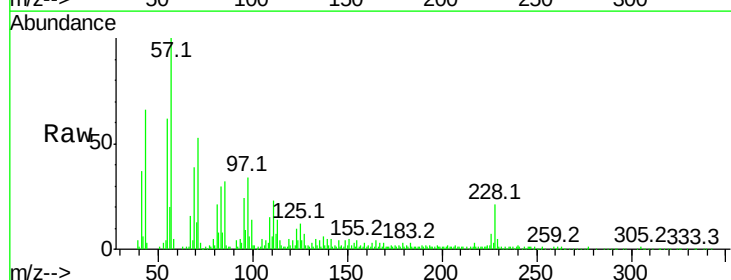
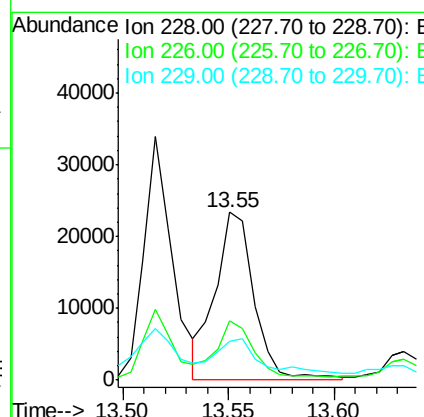
Manual Integrations
APPROVED

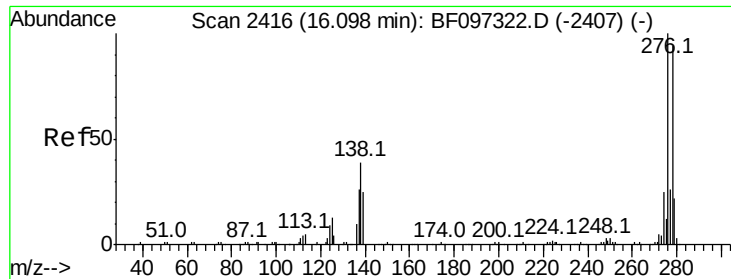
Sohil
8/10/2017 6:07:46 PM



#82
Chrysene
Concen: 2.806 ng
RT: 13.55 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF097532.D
Acq: 9 Aug 2017 22:56

Tgt Ion:	228	Resp:	29589
Ion Ratio	Lower	Upper	
228	100		
226	35.3	24.9	37.3
229	23.0	15.8	23.6





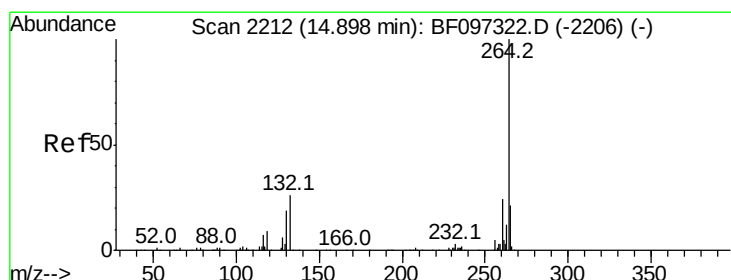
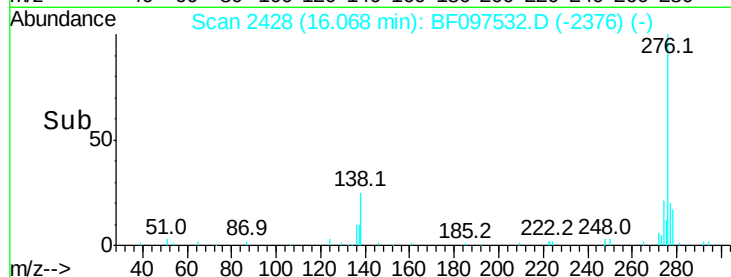
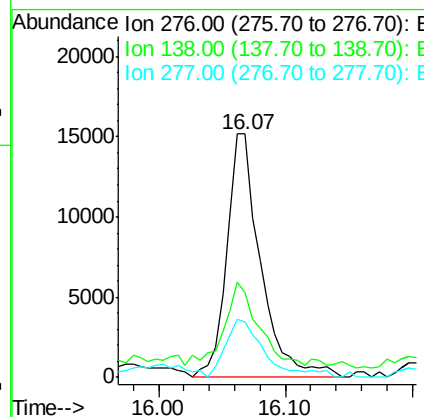
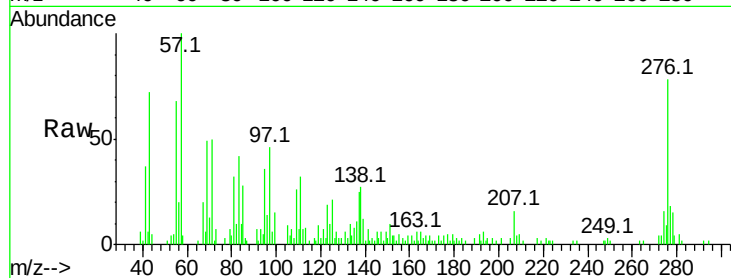
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.107 ng
RT: 16.07 min Scan# 2428
Delta R.T. 0.01 min
Lab File: BF097532.D
Acq: 9 Aug 2017 22:56

Instrument :
BNA_F
ClientSampleId :
E2-L9-BASE-WEST

Tot Ion	Ratio	Lower	Upper
276	100		
138	33.6	27.8	41.6
277	25.9	20.2	30.4

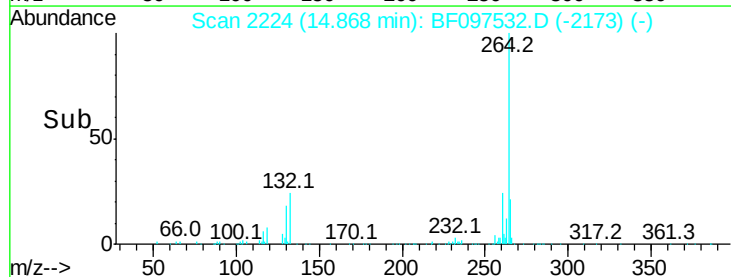
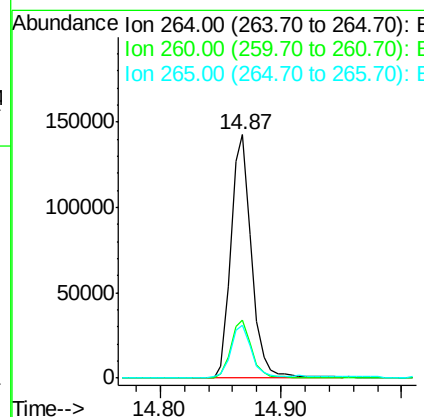
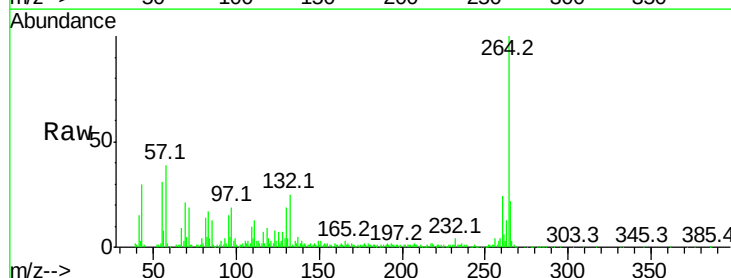
Manual Integrations
APPROVED

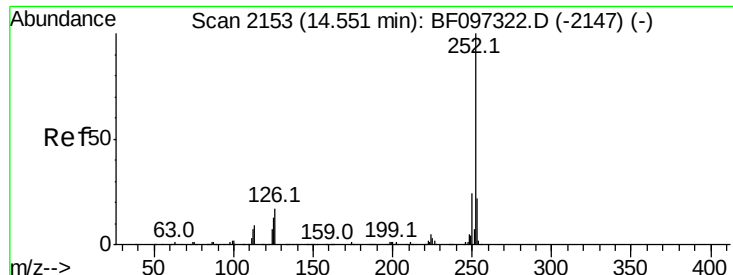
Sohil
8/10/2017 6:07:46 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 14.87 min Scan# 2224
Delta R.T. -0.00 min
Lab File: BF097532.D
Acq: 9 Aug 2017 22:56

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	21.6	17.2	25.8





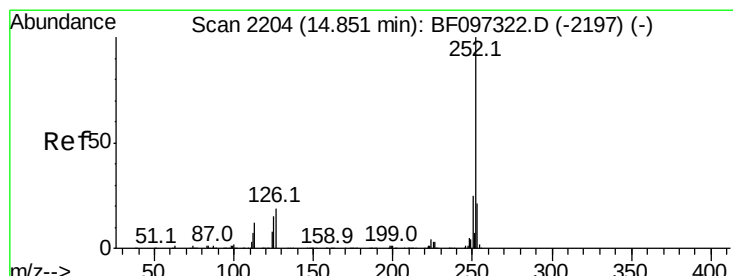
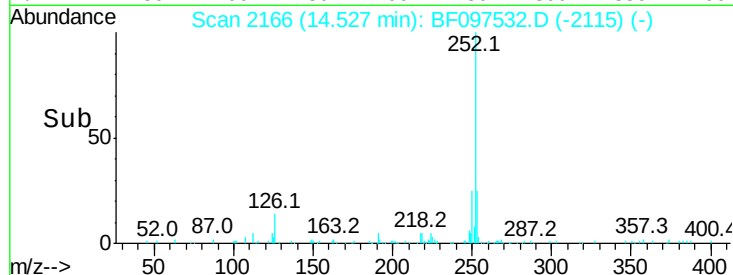
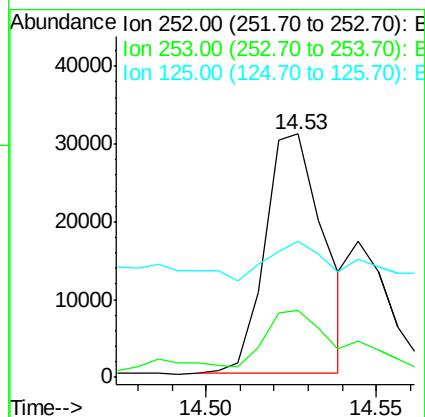
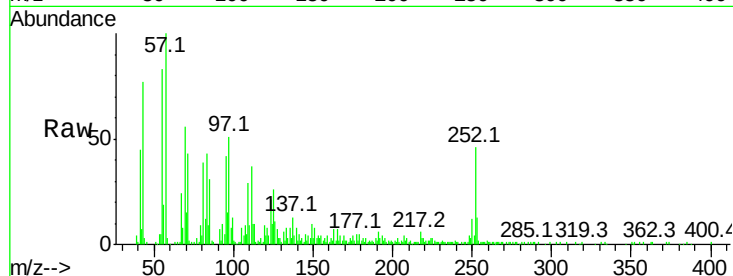
#87
Benzo(b)fluoranthene
Concen: 3.666 ng m
RT: 14.53 min Scan# 2166
Delta R.T. -0.00 min
Lab File: BF097532.D
Acq: 9 Aug 2017 22:56

Instrument :
BNA_F
ClientSampleId :
E2-L9-BASE-WEST

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.4	18.1	27.1#
125	56.0	9.8	14.8#

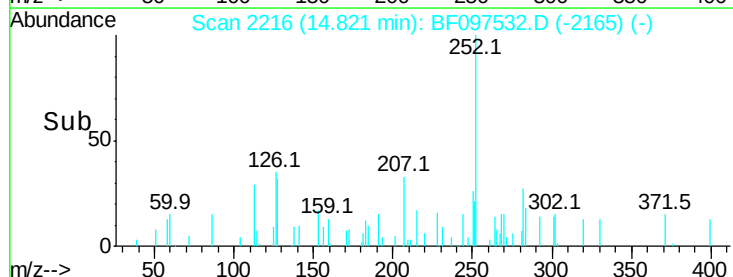
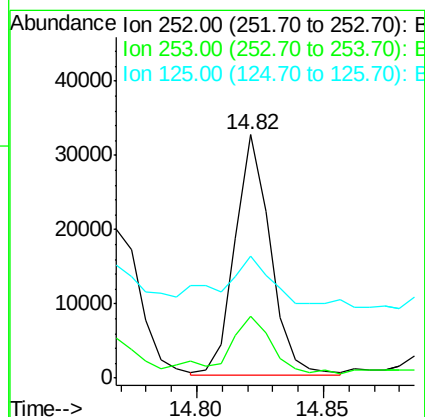
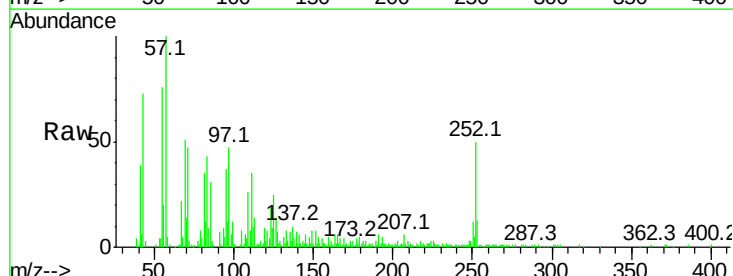
Manual Integrations
APPROVED

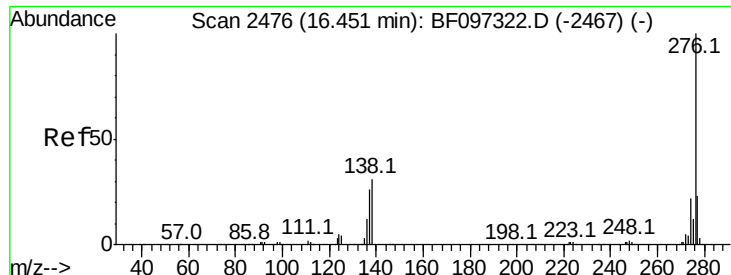
Sohil
8/10/2017 6:07:46 PM



#89
Benzo(a)pyrene
Concen: 3.404 ng
RT: 14.82 min Scan# 2216
Delta R.T. -0.00 min
Lab File: BF097532.D
Acq: 9 Aug 2017 22:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.5	26.3
125	49.9	11.0	16.4#





#91

Benzo(a,h,i)perylene

Concen: 3.432 ng

RT: 16.42 min Scan# 2487

Delta R.T. 0.01 min

Lab File: BF097532.D

Acq: 9 Aug 2017 22:56

Instrument :

BNA_F

ClientSampleId :

E2-L9-BASE-WEST

Tot Ion: 276 Resp: 27452

Ion Ratio Lower Upper

276 100

277 23.3 18.6 28.0

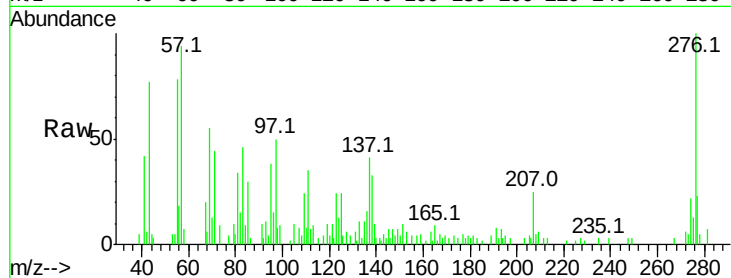
138 33.5 25.4 38.0

Manual Integrations

APPROVED

Sohil

8/10/2017 6:07:46 PM



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

